RUA/Nowcasting Workshop – Agenda

Background: 3 applications of 3-D gridded nowcasting
1. Pure nowcasting use of grids with zero time dimension (but with prognostic physical parameters)
2. Additional – use in extrapolation forecast
3. Eventual and closely related –to initialize short-range NWP

Agenda
Wednesday 3 June 2015
Session 1 – Establish RUA requirements
900   Stan Benjamin   Welcome to workshop, logistics
910   Steve Lord   Preliminary RUA requirements
                                    - The RUA White Paper (presented remotely)
930   Stan Benjamin A vision for moving from RTMA to RUA
950   Geoff DiMego   NCEP/EMC requirements and RTMA history
1010   Break – refreshments
1030   NWS Region reps   Region requirements – Andy Edman, Trevor Alcott,
                              Matt Foster, Ken Johnson, Carven Scott, Gene Petrescu
1100   Judy Ghirardelli, Dave Myrick   MDL requirements
1120   Steve Weiss   SPC/NCEP requirements
1140   Bob Maxson   AWC/NCEP requirements
1200-1300   Lunch with **discussion – 1230-1300**

Session 2 – GSI suitability
1300   Ming Hu   GSI experiments for RUA reflectivity/cloud and conventional obs
1315   Jacob Carley   GSI application for RTMA and ideas for RUA
1330   David Dowell   GSI refl/hydrometeor assimilation + future outlook
1345   Xuguang Wang   Recent development and research of GSI-based Var/EnKF
        hybrid data assimilation for convective scale analysis and forecasts over CONUS
1355   Jidong Gao   Warn-on-Forecast project ideas toward GSI-based RUA

Session 3 – Data and requirements
1410   Jian Zhang   NSSL/MRMS data and RUA requirements
1425   Greg Pratt   MADIS data and requirements
1440   Break – refreshments
1455   Yuanfu Xie /Steve Albers   Lessons learned from LAPS for RUA-GSI
1510   Haig Iskenderian   MIT/LL perspective on FAA/aviation requirements
1525   Rob Cifelli / Tim Schneider   Hydro/water project requirements
1540   Dave Kitzmiller   NWS/OHD requirements
1555   James Pinto   NCAR-RAL perspective on aviation/RUA requirements

Section 4 - How to modify RUA requirements and design?
1610-1700   **Discussion**
1700   Departure for refreshment and dinner – reserved room at Boulder Beer
        Reservation starting at 530pm.

Boulder Beer Co

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2880 Wilderness Pl, Boulder, CO 80301
(303) 444-8448

Thursday 4 June
Section 5 – Additional requirements
845   Curtis or Stan   Summary/recap on previous day
900   Eric Anderson GLERL/ecological modeling requirements
915   Sue Haupt   Renewable energy requirements
930   Woody Roberts   Application of RUA/RTMA to AWIPS and FDSE
945   Break

Section 6 – Validation of RUA
1000   Judy G., Dave M.   MDL ideas on RUA/RTMA validation
1015   Matt Wandishin   FIQAS ideas on RUA/RTMA validation
1030   NWS region rep   Regions ideas on RUA/RTMA validation
1045   Steve Weygandt   Verification for surface/QPE/reflectivity
1100   Steve Weiss   Validation of the SPC Meso-Analysis
1115   Geoff DiMego   Cross-validation for verification

1130-1200   **Final discussion and future RUA plans**

GoTo Meeting information: Rapidly Updated Analysis (RUA) Workshop

Wed, Jun 3, 2015   9:00 AM - 5:00 PM Mountain Daylight Time
Thurs, Jun 4, 2015   09:00 AM - 3:30 PM Mountain Daylight Time

   • Please join my meeting from your computer, tablet or smartphone.

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